Table 45a. Standard errors on first area of the doctoral program in which recent doctoral recipients would have liked more training by field of doctorate: 1997

Doctoral program area	All fields	Field of doctorate						
		Computer and mathematical sciences	Biological and agricultural sciences	Health sciences	Physical and related sciences	Social sciences	Psychology	Engineering
Total recent doctoral recipients (number)............................	1,075.8	33.0	543.3	149.1	493.9	441.5	422.1	502.2
				Percent				
Additional training desired (number)................................	981.1	300.1	458.3	165.5	480.5	375.1	417.4	428.5
General problem solving skills....................................	0.2	S	0.5	S	S	S	S	S
Subject matter knowledge...	0.4	S	0.6	S	0.9	1.4	1.2	0.8
Oral communication skills...	0.5	S	0.8	S	1.3	S	S	1.1
Teaching skills..	0.5	S	1.1	S	1.1	1.6	1.4	1.0
Collaboration and teamwork skills............................	0.4	S	0.9	S	0.9	S	S	1.1
Quantitative skills...	0.3	S	0.6	S	S	1.7	S	S
Writing skills...	0.4	S	0.8	S	1.2	S	S	0.9
Computer skills..	0.5	S	0.8	S	1.0	1.7	1.2	0.9
Research integrity/ethics..	0.1	S	S	S	S	S	S	S
Establishing contacts with colleagues in field............	0.5	2.2	0.8	S	1.3	1.9	1.6	1.0
Management or administrative skills........................	0.6	S	1.1	S	1.6	S	2.0	1.4

KEY: S = Suppressed due to too few cases in the estimate (fewer than 1,000 weighted cases).

NOTES: 'Recent doctoral recipients' are those who reported having received their doctorate between June of 1990 and 1996.

Standard errors are rounded to the nearest tenth. Survey of Doctorate Recipients includes persons who had earned a science and engineering research doctorate from an U.S. institution and resided in U.S. as of April 1997.

SOURCE: National Science Foundation/Division of Science Resources Statistics, 1997 Survey of Doctorate Recipients